

S/169/62/000/007/130/149

D228/D307

Investigating short-wave ...

This radiation did not change at the time of a flare. In the region $8 - 21 \text{ \AA}$ (Al-Filter) the flow was constant (6.2×10^4 pulses. $\text{cm}^{-2} \cdot \text{sec}^{-1}$), apart from the interval 15.45 - 15.54 hrs (the period of heightened activity), when it increased by 3.2 times, and also in the period 14.24 - 14.28 hrs, when it grew by 63%. Fluctuations in this radiation were noticed, too, in other time periods. In the region shorter than 8 \AA (Be-filter) radiation from the quiet sun was very low and was often indistinguishable above the background of radiation with a non-solar origin. At the time of heightened solar activity the flow in the region $5 - 10 \text{ \AA}$ (Be-filter) increased \checkmark by 11-fold as compared with that recorded up to this background. In the chromospheric hydrogen line Ly- α the radiation flow comprised $2 - 6 \text{ ergs/cm}^2 \cdot \text{sec}$ and did not appear to increase at the time of an active solar phase. These data were interpreted on the assumption that the X-ray emission of the sun and its flare is the radiation of an absolutely black body. The temperature of the sun's corona was found to equal $9 \times 10^5 \text{ ^\circ K}$, its emission capacity

Card 3/4

Investigating short-wave ...

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being 5×10^{-16} of that of a black body. A chromospheric flare's temperature amounts to 6.5×10^6 °K, its relative area on the sun's disc being 10^{-4} . Abstracter's note: Complete translation. *X*

Card 4/4

9.6150 (also 4702)

40703

S/169/62/000/008/072/090
E032/E114

AUTHORS: Yefremov, A. I., Podmoshenskiy, A. L., Ivanov, M. A.,
Nikiforov, V. N., Yefimov, O. N.

TITLE: Filtering apparatus for the study of short-wave
solar radiation

PERIODICAL: Referativnyy zhurnal, Geofizika, no.8, 1962, 17,
abstract 8 G 128. (In the Symposium: 'Iskusstv.
sputniki Zemli' ('Artificial Earth Satellites')
no.10, M., AN SSSR, 1961, 48-54)

TEXT: A brief description is given of the method and apparatus
used on a satellite to study the intensity of short-wave solar
radiation by isolating different spectral regions with the aid of
filters. The spectral sensitivity of the pulse counting radiation
detectors, the secondary electron multipliers of the open type with
BeO and SrF₂ photocathodes, and also the spectral sensitivity of
the apparatus with the various filters [(Cu, Be, Al, (CH)_n, LiF]
are described. The advantages of this method as compared with the
counter method are emphasised; it is possible to use an extensive

Card 1/2

Filtering apparatus for the study...

S/169/62/000/008/072/090
E032/E114

selection of filters with a single sensitive element capable of covering a wide spectral region (from X-rays to the ultraviolet), the lower sensitivity to the cosmic ray background, and the very wide range of the counting rates which can be recorded. Provision was made for regular zero checks and also checks of the overall sensitivity. A photograph and a block diagram of the apparatus are given, the electronic circuits (partly transistorised) are described, and the operation of a two-lens optical probe of the automatic switch, which operates when solar radiation enters the device, are described. The instrument is capable of recording the short-wave emission of solar flares from a satellite. 8 references.

[Abstractor's note: Complete translation.]

Card 2/2

YEFREMOV, A. I., and TYUTIKOV, A. M.

"Grazing Incidence Vacuum Monochromator Research Between 20A and 300A."

report to be submitted for the 1st. Intl. Conference on Ultraviolet Vacuum
Radiation Physics.

University of Southern California
16-19 April 1962

BATUYEV, G.S., kand. tekhn. nauk; FEDOSOV, A.A., kand. tekhn. nauk; YEFREMOV,
A.K., inzh.

Collision of solid bodies in case of elastoplastic deformations in
the contact area. Rasch.na proch. no.10:363-390 '64.

(MIRA 18:1)

YEFREMOV, Aleksandr Nikolayevich, (1932-); FEDOROVSKIY, Yevgeniy Petrovich
(1933-)

[Book about a meridian called "the restless straight line"]
Kniga ob odnom meridiane pod nazvaniem "Bespokoinaia pria-
maia." Moskva, Molodaia gvardiia, 1962. 295 p.
(MIRA 16:4)

(Russia—Description and travel)

YEFREMOV, Aleksandr Nikolayevich; FEDOROVSKIY, Yevgeniy Petrovich;
STROYEV, A., red.

[Hundred roads and hundred friends; Moscow, Cape Dezhnev,
Kuril Islands, Sakhalin, the Maritime Territory, Moscow]
Sto dorog, sto druzei; Moskva, Mys Dezhneva, Kuril'skie
ostrova, Sakhalin, Primor'e, Moskva. Moskva, Molodaia
gvardiia, 1964. 191 p. (MIRA 17:8)

YEFREMOV, A. N.

USSR/Electronics - Dielectrics

Jul 51

"Influence of Reactance in Quarter-Wave Lecher System on Measurement of Dielectric Constant,"
I. V. Zhilenkov, A. N. Yefremov, Voronezh Agri Inst

"Zhur. Ekspер. i Teoret. Fiz." Vol XXI, No 7, pp 839-844

Studied quarter-wave Lecher system for effects of
inductance of condenser leads, bending of leads
etc., on measurement of capacitance and dielec-
const. Authors consider most suitable a 3-plate

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IC
USSR/Electronics - Dielectrics (contd)

Jul 51

condenser whose inlets are directly connected into
leads of Lecher system. Authors were assisted in
laboratory work by N. G. Vorotnikova, student at
Voronezh U. Submitted 26 Jun 50.

189140

YEFREMOV, A.N. (g. Kirov)

Shortcomings of a book for home reading ("Oxygen," V. Medvedovskii.
Reviewed by A.N. Efremov.) Khim. v shkole 9 no.5:71-73 S-0 '54.
(Oxygen--Juvenile literature) (Medvedovskii, V.) (MLRA 7:9)

YEFREMOV, A. N.

YEFREMOV, A.N. (g.Kirov)

Deficiencies of illustrations in the methodological literature
of chemistry. Khim. v shkole 12 no.6:69-72 N-D '57. (MIRA 10:12)
(Chemistry) (Illustration of books)

YEFREMOV, A.N.

Scientific foresight and the atheistic education of students.
Khim.v shkole 14 no.3:21-31 My-Je '59. (MIRA 12:9)

1. Pedagogicheskiy institut. g.Kirov.
(Chemistry--Study and teaching) (Communism and religion)

YEFREMOV, A. N.

PHYSICS WORK EXPERTISE

507/J79

"Report on a Conference on Dielectric Properties. 2d, 1953
Prize distribution, trade, theory, measurement, and control (Physics of Dielectrics).
Transactions of the 2d All-Union Conference on the Physics of Dielectrics.
Moscow, Izd. in SSSR, 1953. 324 p. Trade slip inserted. 5,000 copies
printed.Sponsoring Agency: Academy of SSSR. Fiziko-tekhnicheskii Institut im. P.N. Lebedeva.
Ed. of Publishing House: T. N. Stepanchikova, Tech. Ed.: I. M. Dzhobava, Ed.
Editor Board: (Prof. Ed.) G. G. Savel'ev, Doctor of Physics and Mathematics
(General), and T. T. Philippov, Candidate of Physics and Mathematics.PURPOSE: The collection of reports is intended for scientists investigating
the physics of dielectrics.
CONTENTS: The Second All-Union Conference on the Physics of Dielectrics held in
Moscow, 2d, 1953. Fiziko-tekhnicheskii Institut im. P.N. Lebedeva (Physics Institute and
P.N. Lebedev) in November 1953 was attended by representatives of the principal
scientific centers of the USSR and of several other countries. This collection
contains certain parts of the reports presented at the conference and summaries
of the discussions which followed. In reports in this collection deal with
dielectric properties, losses, and polarization, and with specific inductive
capacitance of various crystals, chemical compounds, and ceramics. Photo-
electrics, ferroelectrics, crystals, and various radiation and irradiation ef-
fects on dielectrics are investigated. The volume contains a list of other
reports presented at the conference dealing with polarization, losses, and
breakdown of dielectrics, which were published in the journal "Vysokaya
sobst. radiofizika, No. 1, 1953. No personalities are mentioned.

References: Summary work report. 21

Alexander I. N. Lashkevich and I. D. Tikhonov. Temperature Dependence
of Certain Ion Dielectrics. 22Vil'ner, I. S. Specific Inductive Capacitance and Dielectric Losses of Some
Ceramic Materials in Strong High-Frequency Electric Fields at High Temperature
[Scientific Fiziko-tekhnicheskii SII, Moscow (Sovietian Physics and Technical
Scientific Research Institute, 1953)] 23

DISCUSSION

Bilichenko, I. A. On the Problem of the Static Specific Inductive Capacitance
of Heterogeneous Dielectrics [Fiziko-tekhnicheskii institut sverkhvysokochastotnyi institut
(former Agricultural Institute)] 29
Kukharev, V. V. Dielectric Parameters of Double Liquid Systems in the
Ultraviolet Region [Voronezh Agricultural Institute] 49
Lebedeva, A. A. Dielectric Dispersion Observed in Some Dielectrics at Audio
Frequencies [former Agricultural Institute] 57
Paramashchikov, and V. I. Lebedeva. Dielectric Properties of Heterogeneous
Dielectrics at Superhigh Frequencies 65

DISCUSSION

Mishchenko, G. P. and A. M. Lebedeva. Study of ϵ and τ_{60} in Polymers as a
Function of Temperature [Institut po prikladnoi fizike [Institute of Applied Physics],
Moscow, 1953. As SSSR, Izd. Akad. Nauk SSSR, 1953. 100 p. 100Kukharev, V. V. Dielectric Characteristics (ϵ and τ_{60}) of Impregnated Cable
Paper in Relation to the Properties of the Components [Paper and Oil]
[Moscow, 1953. 97 p. 97Lebedeva, A. A. Problems of the Dynamics Theory of Thermal Phenomena in
Dielectrics 103Lebedeva, V. V. Problems of the Dynamics Theory of Thermal Phenomena in
Dielectrics 103
Lebedeva, V. V., Kukharev, V. V., Olshevskii, and V. V. Pastukh. On the
Nature of Dielectrics in an Electric Field [Leningradskii elektrotonicheskii
institut im. V. V. Markova (Leningrad Electrotechnical Institute)
Moscow, 1953. 122 p. 122Lebedeva, V. V. and V. V. Pastukh. Use of Coal Resources for
Manufacturing Dielectric Losses and Specific Inductive Capacitance in
Relation to Temperature [Institute of High Molecular Compounds, Academy of
Sciences USSR, Leningrad] 132Lebedeva, V. V. and V. V. Pastukh. Photoconductors, and the Electrophotographic
Process [Institut radiofizika i radiochimii im. S. S. Koroleva (Institute of Crystal-
lography, Academy of Sciences USSR, Moscow)] 139
Gubkin, A. S. and V. V. Sosulin. On Charge Stability of Inorganic Dielectrics
[Fiziko-tekhnicheskii institut im. P.N. Lebedeva, AS USSR, Moscow] 150

88061

S/139/60/000/006/030/032
E032/E414

9,2110 (100,1043,1145)

AUTHOR: Yefremov, A.N.

TITLE: Determination of the Static Values of Dielectric Parameters for Dielectrics With Considerable Conductivity

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1960, No.6, pp.172-173

TEXT: Steinemann and Granicher (Ref.1) have pointed out that neither the Cole diagram nor the linear Cole function can be used to obtain the static values of dielectric parameters (by extrapolation) for dielectrics with considerable conductivity; they quote the following formula

Eq.
(1)

$$\epsilon'_s = \epsilon'_s(\omega) - 2 \frac{\epsilon_0 \omega}{\omega_0} \quad (1)$$

which they used to correct the static dielectric constant obtained by extrapolation over the Cole semicircle. This Card 1/4

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E032/E414Determination of the Static Values of Dielectric Parameters
for Dielectrics With Considerable Conductivity

formula is based on purely geometrical considerations and gives satisfactory results only for dielectrics with very low conductivity. When the conductivity is relatively high, this formula cannot be used. The present author considers that it is more useful to carry out the extrapolation in conductivity-independent coordinates using the function

Eq.
(2)

$$\frac{1}{\epsilon' - \epsilon_{\infty}} = \frac{1}{\epsilon_s - \epsilon_{\infty}} + \frac{\omega^2}{\epsilon_{\infty} - \epsilon_{\infty}} \omega^2 \quad (2)$$

obtained from the Debye equation for ϵ' . When this expression is plotted as a straight line

$$\frac{1}{\epsilon' - \epsilon_{\infty}} \quad \text{vs. } \omega^2$$

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E032/E414Determination of the Static Values of Dielectric Parameters
for Dielectrics With Considerable Conductivity

the intercept on the ordinate axis gives the value of

$$\sigma = \frac{1}{\epsilon_s - \epsilon_{\infty}} \quad \text{and hence} \quad \epsilon_s^0 = \frac{1}{\sigma} + \epsilon_{\infty}^0 \quad (3)$$

Since a straight line can be defined by two points only, only two values of ϵ^0 are necessary in order to determine ϵ_s^0 . The static value of the conductivity σ can be obtained in a similar manner. This method of extrapolation can be used to determine the capacitance of the layer in the immediate neighbourhood of electrodes (c_1) which is due to the dispersion in the dielectric properties of water and is given by

$$c_1 = \frac{\epsilon_s r_s^2 - \epsilon r^2}{(r_s - r)^2} \quad (6)$$

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E032/E414

**Determination of the Static Values of Dielectric Parameters
for Dielectrics With Considerable Conductivity**

where C and r are the capacitance and the resistance of the capacitor in the absence of the near-electrode layer. In the present experiments, the capacitance of the near-electrode layer was found to be $13.5 \mu\text{F}/\text{cm}^2$, which is in good agreement with Franklin's results (Ref. 3). There are 3 references: 2 Soviet and 1 German.

ASSOCIATION: Voronezhskiy sel'skokhozyaystvennyy institut
(Voronezh Agricultural Institute)

SUBMITTED: March 1, 1960

Card 5/4

YEFREMOV, A. N. (Voronezh)

Distorting effect of the electrode layer on the measurements of dielectric constants. Zhur. fiz. khim. 34 no. 3:565-571 no. 3:565-571 Mr '60. (MIRA 13:11)

1. Selskokhozyaystvennyy institut, Voronezh.
(Dielectric constants)

YEFREMOV, A.N.; KOMRAOV, A.A.

Reproducing the Henri Becquerel experiment under school conditions.
Khim. v shkole 16 no.2:60-62 Mr-Ap '61. (MIRA 14:6)

1. Pedagogicheskiy institut, Kirov.
(Radioactivity)

YEFREMOV, A. N.

Determination of low speeds of air flow by means of a Pitot tube with the aid of a differential manometer. Inv. vys. uch. zav.; fiz. 3:33-34 '62. (MIRA 15:10)

1. Voronezhskiy sel'skokhozyaystvennyy institut.

(Aerodynamics) (Manometer)

YEFREMOV, A.P.; OVOSHCHNIKOV, M.S.

Diagnostic significance of roentgenologic examination of transverse pulmonary layers. Klin. med., Moskva 30 no. 12:62-66 Dec 1952.
(CIML 24:1)

1. Docent for Yefremov; Stalin Prize Winner for Ovoshchnikov. 2. Of Kiev Scientific-Research Roentgen-Radiological and Oncological Institute (Director -- Prof. I. T. Shevchenko).

BUSHIN, V.V.; YEFREMOV, A.P.; STOUMOV, V.K.; YERMOLAYEV, G.I., red.

[Large-panel housing construction; practices of the "Cherepovetsmetallurgstroi" Trust] Krupnopenal'noe domostroenie; iz opyta raboty tresta "Cherepovetsmetallurgstroi." Vologda, Vologodskoe knizhnoe izd-vo, 1959. 39 p. (MIRA 13:12) (Apartment houses) (Precast concrete construction)

YEFREMOV, A.S.

KRIVKOV, G.A., polkovnik meditsinskoy sluzhby; VEKSLER, Ya.I., mayor meditsinskoy sluzhby, kandidat meditsinskikh nauk; YEFREMOV, A.S., mayor meditsinskoy sluzhby; SHENYNGERTS, A.R., podpolkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk; RUNOVSKIY, D.N., polkovnik meditsinskoy sluzhby.

Course of experimental pneumonia following damage by radiation.
Voen.-med.zhur. no.7:41-45 J1 '56. (MLRA 9:11)
(RADIATION SICKNESS) (PNEUMONIA)

YEFREMOV, A. T.

6719. Yefremov, A. T. Polnoye ispol'zovaniye lipovoy kory na mochalo.
Ufa, Bashkir. kn. izd., 1954. 29s. s ill. 20 sm. 1.800 ezk. 40 k. --
(55-2787)p 634.985.8

SO: Knizhnaya Letopis' No. 6, 1955

YEFREMOV, A. V.

PA 161T67

USSR/Engineering - Steam Jun 50
Rubber, Synthetic

"Utilization of Physical Heat in Technological
Gases to Obtain Steam in the Synthetic Rubber
Industry," A. V. Yefremov, Engr, 1½ pp

"Prom Energet" No 6

Details boiler used, with sketch. Initial gas
temperature is 290-300°C and steam is generated
at 5-6 at. Equipment cost 300,000 rubles. An-
nual saving is 892,834 rubles.

161T67

YEFREMOV, A.V., kandidat tekhnicheskikh nauk.

Formulas for calculating the suspension (transporting) capacity
of a stream. Vop.gidr.no.1:159-165 '55. (MLRA 9:12)
(Hydraulics)

YEFREMOV, A.V., kand.tekhn.nauk

Results of revising formulas applied for calculating the capacity
of channels to carry sediments. Trudy SANIIRI no.91:105-116 '58.

(MIRA 14:1)

(Sedimentation and deposition)
(Irrigation canals and flumes)

YEFREMOV, A. V.

"Methodology of the Study of Suspended Pumps and Its Significance in the Determination of the Suspension (Transporting) Capabilities of A Stream."
Cand Tech Sci, Inst of Construction, Acad Sci Uzbek SSR, Tashkent, 1954.
(RZhMekh, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

YEFREMOV, A.V., inzh.

All enterprises should operate at a profit. Ugol' Ukr. 5
no.12:41-42 D '61. (MIRA 14:12)

1. Kombinat Donetsugol'.
(Coal mines and mining--Costs)

YEFREMOV, A.V.; MESHCHERYAKOV, V.A.; SHIRKOV, D.V.

Pion-nucleon scattering at low energies. Part 1. Zhur. eksp. i teor. fiz. 39 no.2:438-449 Ag '60. (MIRA 13:9)

1. Ob"yedinennyi institut yadernykh issledovaniy.
(Nucleons--Scattering)

80019

S/056/60/039/004/037/048
B006/B056

24.6900

AUTHORS: Yefremov, A. V., Meshcheryakov, V. A., Shirkov, D. V.

TITLE: Pion-Nucleon Scattering at Low Energies. II

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960,
Vol. 39, No. 4(10), pp. 1099 - 1105

TEXT: Following part I (Ref. 1) of the paper, an integral equation for the phase shift α_{33} is here derived, and, besides, expressions for other phase shifts which involve $\pi\pi$ -scattering phase shifts δ_0 and δ_1 are obtained. It is found that the dispersion relations in pion-nucleon backward scattering play an essential part, and that the phase shift δ_0 influences considerably the πN -scattering. The scattering length and the phase shift δ_0 are estimated by considering small phase shifts near the πN -scattering threshold. Proceeding from the double spectral representation by Mandelstam, the system of integral equations for the partial waves of pion-nucleon scattering is obtained, in whose derivation the dispersion

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Pion-Nucleon Scattering at Low Energies. II S/056/60/039/004/037/048
B006/B056

relations play an important part. As there are no prospects of being able to give a rigorous proof of Mandelstam's representation, an investigation of the possibility of a rigorous proof of dispersion relations for backward scattering is of interest. It is shown that into the expression for the partial waves of πN -scattering, the s-phase shift δ_0 of $\pi\pi$ -scattering enters with a large factor. Therefore, it is possible, in spite of the approximative character of the calculations and the considerable experimental errors, to determine sign and order of magnitude of the scattering length only on the basis of an investigation of the small p-waves of πN -scattering near the threshold. The authors assume that a more exact calculation of the s- and p-waves in the energy range from 100 to 200 Mev might also furnish data on the p-wave of $\pi\pi$ -scattering. The results obtained agree with those of Ref. 9, but not with those of Ref. 10. These contradictions are finally briefly discussed. The authors thank Professor Chzhu Khun-yuan¹ for discussions. There are 1 figure and 10 references:
4 Soviet, 4 US, and 1 CERN.

ASSOCIATION: Ob"yedinenyyi institut yadernykh issledovaniy (Joint
Institute of Nuclear Research)

SUBMITTED: May 31, 1960
Card 2/2

YEFREMOV, A.V.; SHIRKOV, D.V.

Highest partial waves in the low energy approximation.
Dubna, Ob"edinennyi in-t iadernykh issledovanii, 1961. 8 p.
(No subject heading)

YEFREMOV, A.V.; SHIRKOV, D.V.; TSU, H.Y.

The pion-pion scattering at low energy. Dubna, Ob"edinennyi in-t
iadernykh issledovanii, 1961. 26 p. (MIRA 14:11)

1. On leave of absence from Institute for Mathematics, Siberian
Branch, AN USSR, Novosibirsk 72 (for Shirkov).
(No subject heading)

YEFREMOV, A.V.; SEREBRYAKOV, V.V.; SHIRKOV, D.V.; SARANTSEVA, V.R.,
~~tekhn. red.~~

Low-energy pion-pion scattering. Dubna, Ob"edinennyi in-t iader-
nykh issledovaniii, 1962. 8 p.

1. Institute for Mathematics, Siberian Branch U.S.S.R. Academy of
Sciences, Novosibirsk (for Shirkov).
(No subject heading)

YEFREMOV, A. V., SEREБRYAKOV, V. V., and SHIRKOV, D. V.

"Pion-Pion Scattering of Low Energies"

report presented at the Intl. Conference on High Energy Physics, Geneva,
4-11 July 1962

Joint Institute for Nuclear Research
Lab. of Theoretical Physics

24.6700

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S/056/62/042/005/032/050
B102/B138AUTHORS: Yefremov, A. V., Shirkov, D. V.TITLE: Higher partial waves in low-energy $\pi\pi$ -scatteringPERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42,
no. 5, 1962, 1344-1353

TEXT: A. G. Sarker (Nucl. Phys., 29, 318, 1962) and C. Lovelace (Nuovo Cim., 22, 102, 1961) have studied the correspondence between the equations of the $\pi\pi$ -scattering partial waves for low energies obtained with differential (Nucl. Phys. 22, 202, 1960; Scientia Sinica, 10, 812, 1961) and integral methods (G. Chew, S. Mandelstam, Phys. Rev. 119, 467, 1960). Unclear formulations in these studies have been the cause of a new and detailed investigation into the problem of the influence of higher partial waves in the differential method and a comparison with the Chew-Mandelstam method. Also the problem of taking the highest number (including an infinite one) into account is discussed. For neutral $\pi\pi$ -scattering the asymptotic behavior of the amplitude is given by $\text{Re } A_0(\nu) \rightarrow nb/\ln \nu$, where $b = 1/2$; this relation is not changed when higher partial waves in the

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Higher partial waves in low-energy ...

real as well as in the imaginary part of the amplitude are taken into account. The fact that, when higher partial waves are taken into account, the approximations in real and imaginary parts of the scattering amplitudes agree, holds only for neutral particles and is due to the absence of a p-wave. It is shown that when charged pions interact the factor in the logarithmic asymptotic behavior is changed, but only to a negligible extent. In all cases the effect of the higher partial waves is small, even if an infinite number of them is taken into account. D. I. Blokhintsev, N. N. Bogolyubov, Yu. Vol'f, V. A. Meshcheryakov, Ya. Fisher and others are thanked for discussions.

ASSOCIATION: Ob"yedinenyyi institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: December 20, 1961

Card 2/2

YEFREMOV, A.V.

Laboratory and full-scale studies of the Kzyl-Orda Hydroelectric
Power Station. Vop. gidr. no.11:40-57 '63. (MIRA 17:6)

YEFREMOV, A.V., kandidat meditsinskikh nauk (Leningrad)

Clinical and roentgenologic observation of ulcerous diverticulitis of the duodenum. Klin.med. 34 no.11:69-70 N '56. (MIRA 10:2)

1. Iz kafedry meditsinskoy rentgenologii i radiologii (nach. - prof. Sh.I.Abramov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(DUODENUM, diverticulitis

ulcerous, diag.)

(PEPTIC ULCER, compl.

duodenal diverticulitis, diag.)

YEEREMOV, A.V.

Roentgenodiagnosis of scapular fractures. Vest. rent. i rad.
32 no.1:17-20 supplement '57 (MLRA 10:5)

1. Iz kafedry meditsinskoy rentgenologii i radiologii Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova.
(SCAPULA, fract.
x-ray diag.)

YEFREMOV, A.V., kand.med.nauk

X-ray examination methods in injuries of the shoulder girdle and joint. Vest.rent. i rad. 33 no.2:77-78 Mr-Ap '58. (MIRA 11:6)

1. Iz kafedry rentgenologii Voyenno-meditsinskoy ordean Lenina akademii imeni S.M.Kirova.
(SHOULDER, wds. & inj.
x-ray diag. (Rus))

YEFREMOV, A.V.; BERUCHASHVILI, L.Z.

Eosinophilic granuloma of the bones of the skull. Vop. neirokhir
24 no. 2:47-51 Mr-Sp '60. (MIRA 14:1)
(SKULL—DISEASES) (EOSINOPHILIC GRANULOMA)

YEFREMOV, A.V., kand.med.nauk; ABULADZE, Ye.K. (Tbilisi)

Diagnosis of "postbulbar" ulcers of the duodenum. *Khirurgia*
no.3:58-64 '62. (MIRA 15:3)
(DUODENUM--ULCERS)

YEFREMOV, A.V.

Ulcerative lesions of the duodenum in periarteritis nodosa. Soob. AN
Gruz. SSR 35 no.2:475-482 Ag '64. (MIRA 17:12)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gematologii
AN Gruzinskoy SSR, Tbilisi.

BINKEVICH, A.V., gorny inzh.; YEFREMOV, A.V., gorny inzh.

Mining an incline with a PK-3m cutter-loader with transloading
of the rock and coal by gantry crane. Ugol' Ukr. 9 no.12:33-35
D '65. (MIRA 19:1)

1. Trest Krasnogvardayskugol'.

TSVETIKOVA, N.F.; YEFREMOK, A.V., kand. tekhn. nauk, ntv. red.; ABAL'YANTS, S.Kh., doktor tekhn. nauk, prof., red.; GOROSHKOV, I.I., kand. tekhn. nauk, red.; PROZOROV, G.I., red.

[Technological conditions and norms in the designing of irrigation settling basins] Tekhnicheskie usloviya i normy po proektirovaniyu irrigatsionnykh otstioinikov. Tashkent, Izd-vo "Nauka" UzSSR, 1964.
66p. (Voprosy gidrotekhniki, no.19) (MIRA 18:5)

YEFREMOV, A. YA.

SOV/86-59-1-33/39

AUTHOR: Yefremov, A. Ya., Col, Hero of the Soviet Union, and
Sadovskiy, S.M., Engr Lt Col

TITLE: How to Determine More Precisely the Cloud Base? (Kak
tochneye opredelit' nizhnuyu granitsu oblastnosti?)

PERIODICAL: Vestnik vozдушного флота, 1959, Nr 1, pp 84-85 (USSR)

ABSTRACT: The authors discuss the article Vysota nizhney granitsy
oblaikov i dal'nost' vidimosti (Cloud Base Altitude and the
Visibility Range) by Engr Col V.A. Nikiforov, and Engr Lt Col
V.A. Netesov, published in issue Nr 4 of this periodical in 1958.
The authors suggest that in addition to pilot balloons, ceiling
projectors, and weather reconnaissance airplanes, which are used
at present for the measurement of cloud base, a ceilometer should
be used.

Card 1/1

YEFREMOV, Aleksandr Yefremovich; KULAKOV, M.I., redaktor

[Machine-tractor station machinery operators in the struggle for
bigger crops] Mekhanizatory MTS v bor'be za vysokii urozhai. Kazan',
Tatknigoizdat, 1953. 78 p. (MLRA 9:9)
(Machine-tractor stations)

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001962410016-1

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001962410016-1"

Yefremov, Aleksandr Yefremovich

Za shirmoy "organichenykh" voyn. Moskva, Voenizdat, 1960.

82 p.

Bibliographical footnotes.

YEFREMOV, D.F.

Root systems of the Kurile larch in Kamchatka. Izv. SO AN SSSR
no.8 Ser. biol-med. nauk no.2:48-56 '64 (MIRA 18:1)

1. Lésnaya optychnaya stantsiya, poselok, Kozurevsk, Kamchatskaya
oblast'.

ACC NR: AP7002646 (A,N) SOURCE CODE: UR/0413/66/000/023/0193/0193

INVENTOR: Kamov, N. I.; Vlasenko, A. I.; Yefremov, D. K.

ORG: None

TITLE: Suspension device for the automatic pitch control mechanisms on coaxial lift rotors in helicopters. Class 62, No. 128302

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 193

TOPIC TAGS: helicopter rotor, aerodynamic pitch, aircraft control equipment

ABSTRACT: This Author's Certificate introduces a suspension device for the automatic pitch control mechanisms on coaxial lift rotors in helicopters. The installation contains tie rods as well as upper and lower universal joints. The upper joint is made to move along the axis of the shaft to simplify static and dynamic balancing of the lift system.

SUB CODE: 01 / SUBM DATE: 27Oct59

Card 1/1

YEFREMOV, Dmitriy Vasil'yevich

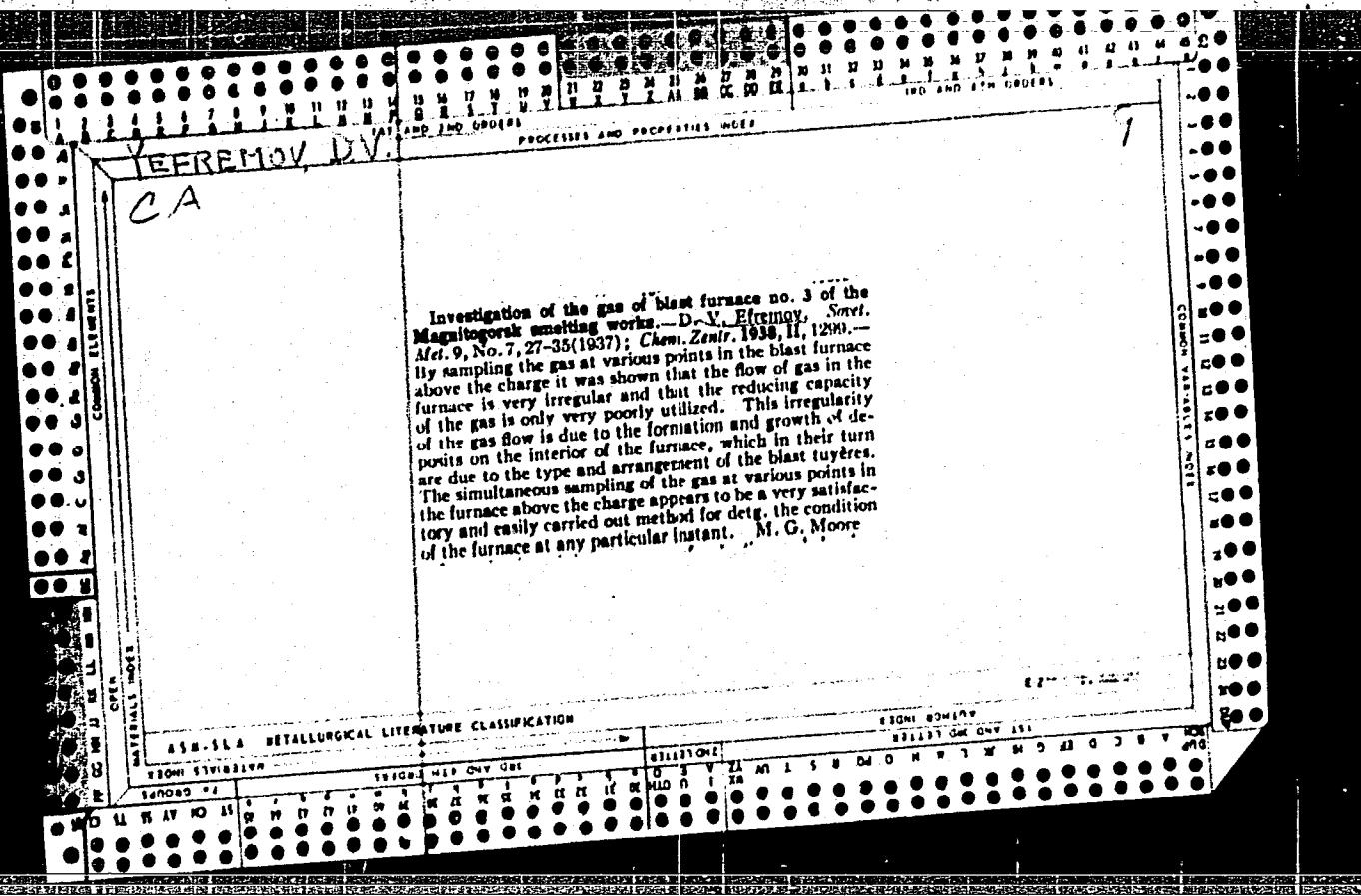
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1962

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Atomic Energy

see 1LC



YEFREMOV, D.V.

Ca

Movement of the charge in a large blast furnace. D.V. Efremov. Trans. Leningrad Ind. Inst. 1938, No. 6. Sov. Met. 40-87 (in English, 87-88). (Expl. data are given on the factors influencing the speed of the downward movement of the charge material in various points of No. 3 blast furnace at Magnitogorsk.) B. Z. Kamich

APPENDIX 4. METALLURGICAL LITERATURE CLASSIFICATION

YEFREMOV DV

69

Use of steam in blast-furnace operation. D. V. Efremov. *Bull. acad. us. U. R. S. S., Classe sci. tech.* 1942, No. 1-2, 65-81.—Operational data are presented on the use of steam in blast-furnace operation. The principal features are: reduction of coke-utilization requirements, increased productivity and decreased over-all costs of cast iron. Generally, economic considerations prevent the use of over 10% steam. G. M. Kosolapoff

ASIA-SEA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001962410016-1"

YEFREMOV, D.V.

Movement of materials in a blast furnace shaft and their distribution at
the throat. Trudy Leningrad. Politekh. Inst. im. M.I. Kalinina '49, No.2,
9-60. (MIRA 6:3)
(CA 47 no.21:11098 '53)

KUCHERYAVYY, F.I., kand.tekhn.nauk; KHODAKOVSKIY, YU.F., gornyy inzh.; YEFREMOV,
E.I., gornyy inzh.; KOSTRIKOV, V.P., gornyy inzh.

Improving boring and blasting work in trench digging in limestone
quarries. Gor. zhur. no.7:40-42 J1 '62. (MIRA 15:7)

1. Dnepropetrovskiy gornyy institut.
(Komsomol'skoye region (Donetsk Province)—Limestone)
(Blasting)

NOVOZHILOV, M.G., doktor tekhn. nauk, prof.; DRUKOVANYY, M.F., kand. tekhn. nauk; YEFRIMOV, E.I., inzh.

State of and basic trends in improving boring and blasting operations in granite quarries. Vzryv. delo no. 51/8:206-223 (MIRA 16:6) '63.

1. Otdel gornorudnykh problem AN UkrSSR.
(Granite industry) (Blasting) (Boring)

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; GEYMAN, L.M., gornyy inzh.; YEFREMOV, E.I., gornyy inzh.; KHOTIYENKO, Yu.P., gornyy inzh.

Effect of the diameter of the charge on the extent of the crushing of friable bodies by blasting. Vzryv. delo no.53/10: (MIRA 16:8) 59-76 '63.

1. Otdeleniye gornorudnykh problem AN UkrSSR.
(Blasting)

DRUKOVANYY, M.F., kand. tekhn. nauk; YEFREMOV, E.I., gornyy inzh.;
TERESHCHENKO, A.A., gornyy inzh.; SHESTAKOV, F.K., kand. tekhn.
nauk; MALYY, I.S., gornyy inzh.

Crushing of rocks in blasting paired benches in the Central and
Ingulets Mining and Ore Dressing Combines in the Krivoy Rog
Basin. Vzryv. delo no.53/10:147-156 '63. (MIRA 16:8)

1. Otdel gornorudnykh problem AN UkrSSR (for Drukovanyy,
Yefremov). 2. TSentral'nyy gornoobogatitel'nyy kombinat
(for Tereshchenko, Shestakov). 3. Inguletskiy gornooboga-
titel'nyy kombinat (for Alekseyev, Malyy).
(Krivoy Rog Basin--Blasting)

DRUKOVANYY, Mikhail Fedorovich; YEFREMOV, Ernest Ivanovich;
NOVOZHILOV, Mikhail Galaktionovich; TERESHCHENKO,
Aleksandr Alekseyevich; DEMIDYUK, G.P., kand. tekhn.
nauk, retsenzent

[Blasting high benches] Vzryvanie vysokikh ustupov. Mo-
skva, Izd-vo "Nedra," 1964. 105 p. (MIRA 17:5)

KUCHERYAVYY, F.I., dotsent; KHODAKOVSKIY, Yu.F., inzh.; KOSTRIKOV, V.F.,
inzh.; YEFREMOV, E.I., inzh.

Basis for the selection of blast hole drilling equipment in
limestone quarries. Izv.vys.ucheb.zav.; gor.zhur. 7 no.2:87-
92 '64. (MIRA 17:3)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy in-
stitut imeni Artema. Rekomendovana kafedroy otkrytykh rabot.

NOVOZHILOV, M.G., prof., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk; YEFREMOV, E.I., gornyy inzh.; TERESHCHENKO, A.A., gornyy inzh.; SHESTAKOV, M.M., gornyy inzh.; PIL'NIK, I.L., gornyy inzh.

Experience in blasting of high benches at the Krivoy Rog Basin Central Mining and Ore Dressing Combine. Gor. zhur. no.11: 29-33 N '63. (MIRA 17:6)

1. Otdeleniye gornorudnykh problem AN UkrSSR (for Novozhilov, Drukovanyy, Yefremov). 2. TSentral'nyy Krivorozhskiy gorno-obogatitel'nyy kombinat (for Tereshchenko, Shestakov, Pil'nik).

NOVOZHILOV, M.G., doktor tekhn. nauk; DRUKOVANYI, V.V., kandi. tekhn. nauk;
YEFREMOV, E.I., inzh.; ALEKSEYEV, F.K., kandi. tekhn. nauk; MALYUTA,
D.I., inzh.

Increasing mining rates during the construction of strip mines.
(MIRA 17:10)
Shakht. stroi. 8 no.7:23-24 Jl '64.

1. Ingulatskiy gornoobogatitel'nyy kombinat (for Alekseyev). 2.
Novokrivorozhskiy gornoobogatitel'nyy kombinat (for Malyuta).

L 55087-65
ACCESSION NR AM/046248

BOOK EXPLOITATION

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61

Drukovanyy, Mikhail Fedorovich; Yefremov, Ernest Ivanovich; Novozhilov, Mikhail Galaktionovich; Tereshchenko, Aleksandr Alekseyevich

High bench blasting (Vzryvaniye vysokikh ustupov). Moscow, Izd-vo "Nedra", 1964, 105 p. illus., biblio. Errata slip inserted. 1,800 copies printed

TOPIC TAGS: explosive, explosive charge, mining engineering

PURPOSE AND COVERAGE: The book contains general information about high bench blasting experience in mines. Basic technological schemes of open pit working in high bench blasting are recommended. Questions which concern the effectiveness of drilling, methods of charging, schemes of setting and explosion of charges, and the intensity of the rock crushing during high bench blasting are examined. Theoretical premises which serve as a foundation for the use of high benches are brought to light. The book also describes laboratory research which has been carried out on the activity of the blast in its environment. The book is intended for mining engineering and technical personnel.

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ACCESSION NR AM4046248

TABLE OF CONTENTS (abridged)

Foreword — 3
Ch. I. Physical factors which determine the effectiveness of rock crushing in
high bench blasting — 5
Ch. II. High bench blasting experience in mines — 71
Conclusions — 102

SUBMITTED: 06Feb64

SUB CODE: WA, ES

NO REF Sov: 035

OTHER: 015

Card 2/2

DRUKOVANY, M.F., kand. tekhn. nauk; YEFREMOV, E.I., kand. tekhn. nauk

Blasting slopes in the development of rock products deposits.
Stroi. mat. 11 no.135-40 Ja '65. (MIRA 18:6)

YEFREMOV, E.I., kand. tekhn. nauk

Efficient length of a charge column. Vzryv. delo no.57/14:
61-66 '65. (MIRA 18:11)

1. Filial Instituta mekhaniki AN UkrSSR.

MALYUTA, D.I., inzh.; VOLYNETS, M.A., inzh.; KIKOVKA, Ye.I., inzh.;
KNYAZEV, K.I., inzh.; YEFREMOV, E.I., kand. tekhn. nauk; II'IN,
V.I., inzh.

Experience in the blasting of hard ores by deep boreholes
in the open-pit mine of the Krivoy Rog Mining and Ore Dressing
Combine. Vzryv. delo no.57/14:145-151 '65. (MIRA 18:11)

1. Novo-Krivorozhskiy gornoobogatitel'nyy kombinat (for Malyuta,
Volynets, Kikovka, Knyazev). 2. Filial Instituta mekhaniki
AN UkrSSR. (for Yefremov, Il'in).

YEFREMOV, E.I., kand. tekhn. nauk; BURLAKA, A.V., inzh.; TERESHCHENKO, A.A., inzh.; SUKHAREVSKIY, B.N., inzh.

Further improvement of boring and blasting operations with high benches in open-cut mines of the Krivoy Rog Central Mining and Ore Dressing Combine. Vzryv. delo no. 57/14: 162-167 '65. (MIRA 18:11)

1. Filial Instituta mekhaniki AN UkrSSR (for Yefremov, Burlaka).
2. Krivorozhskiy Tsentral'nyy gornocobogatitel'nyy kombinat (for Tereshchenko, Sukharevskiy).

NOVOZHILOV, M.G., doktor tekhn. nauk; DRUKOVANYY, M.F., kand. tekhn. nauk;
TARTAKOVSKIY, B.N., kand. tekhn. nauk; YEFHEMOV, E.I., kand.
tekhn. nauk; IL'IN, V.I., inzh.; GAVRILYUK, I.I., inzh.

Use of high benches in flux quarries. Varyv. delo no.57/14;
167-173 '65. (MIRA 18:11)

Filial Institute-mekhaniki AN UkrSSR.

DRUKOVANYY, M.F., kand. tekhn. nauk; YEFREMOV, E.I., kand. tekhn. nauk;
KOMIR, V.M., inzh.; MALYUTA, D.I., inzh.; VOLYNETS, M.A., inzh.;
KIKOVKA, Ye.I., inzh.

Ways of further improvements in the design of charges for blasting
operations in mines. Vzryv. delo no. 57/14:198-209 '65.
(MIRA 18:11)

1. Filial instituta mekhaniki AN UkrSSR (for Drukovanyy, Yefremov,
Komir). 2. Novo-Krivorozhskiy gornoobogatitel'nyy kombinat imeni
Leninskogo komsomola (for Malyuta, Volynets, Kikovka).

YEFREMOV, F.I., inzh.; YURCHENKO, O.P., inzh.

"Ukraina" headlamp. Ugol' Ukr. 2 no.10:42-43 0 '58.
(MIRA 12:1)

1. Dongiprouglemash.
(Electric lamps, Portable)

45321
S/110/63/000/002/002/002
1055/A126

AUTHORS: Zhulidov, N.A., Yefremov, P.I., - Engineers

TITLE: A new nickel-zinc battery

PERIODICAL: Vestnik elektropromyshlennosti, ³⁴ no. 2, 1963, 74 - 75

TEXT: This is a detailed description of the new nickel-zinc battery, whose design is based on the property of zinc to enter into reaction with certain hydroxides with which it forms practically insoluble (trudnorastvorimye) compounds. The negative electrode is made of a mixture of zinc and hydroxide components. Thanks to a considerable reduction of the solubility of zinc and hydroxide contained in the negative electrode, the new battery presents a greater reliability in operation; it resists overcharges and short-circuits. The new battery uses pressed electrodes without lamellas. It operates normally in half-dry condition. The charging can be effected at a current density of from 0.5 to 1.5 a/dm² (positive electrode). At the end of the charging, the current drops to 1/20 of its initial value, and the battery can remain in this condition for ten days. The dis-

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S/110/63/000/002/002/002
A055/A126

A new nickel-zinc battery

charging can be effected at a current density of up to 10 a/dm^2 (positive electrode). The operating voltage is about 40% higher than that of nickel-iron and nickel-cadmium batteries. The new batteries can work at very low temperatures. Their cost (in series production) must be about 2 - 3 times lower than that of nickel-cadmium batteries. Their service life is longer than that of nickel-cadmium batteries of analogous construction. A table shows some comparative characteristics of nickel-zinc, nickel-iron, nickel-cadmium and silver-zinc batteries. The charging and discharging characteristics of the nickel-zinc battery at various current values are also reproduced. Practical experience (in the Donbass coal-pits) proved the expediency of using the new battery for coal-pit lamps. There are 2 figures and 1 table.

Card 2/2

YEFREMOV, F. Ye., inzh.

Decrease in the wear of the components of coal pulverizing
systems. Energetik 10 no.4:17 Ap '62. (MIRA 15:4)
(Crushing machinery) (Coal, Pulverized)

YEFREMOV, F.Ye., inzh.; VINITSKIY, A.I., inzh.; IVANOV, G.S., inzh.;
KHADZHINOV, G.G., inzh.

Use of wet ash traps in a boiler operating on industrial fuel.
Elek. sta. 33 no.4:24-26 Ap '62. (MIRA 15:7)
(Boilers) (Fuel)

YEFREMOV, F. Ye., inzh.

Improvement of the thermal network of an electric power plant.
Energetik 10 no.8:11-12 Ag '62. (MIRA 15:10)

(Electric power plants)

YEFREMOV, F.Ye., inzh.

Pipe material of cooling systems operating on sea water.
Elek. sta. 33 no.5:82 My '62. (MIRA 15:7)
(Azov, Sea of—Electric power plants—Cooling)
(Water pipes—Corrosion)
(Electric engineering—Materials)

YEFREMOV, F.Ye., inzh.

Method for leading-off and utilizing the guses of steel-smelting converters. Prom. energ. 20 no.9:20-21 S '65. (MIRA 18:9)

YEFREMOV, G.

Improve the training of specialists for mass professions. Avt.
transp. 43 no.10:47-49 0 '65. (MIRA 18:10)

1. Nachal'nik upravleniya po podgotovke kadrov Ministerstva
avtomobil'nogo transporta i shosseynykh dorog RSFSR.

BOGDANOV, A., inzh.; YEFREMOV, G., inzh.

Combination-type river and seagoing craft. Rech. transp. 24
no. 3:33-34 '65. (MIRA 18:5)

YEFREMOV, G., inzh.

Prospects for the use of aluminum alloys in the building of
river ships. Rech. transp. 20 no.10:26-28 0 '61. (MIRA 14:9)
(Shipbuilding) (Aluminum alloys)

YEFREMOV, G.

ANGELINA, P., geroy Sotsialisticheskogo Truda, laureat Stalinskoy premii;
TSIMIDANOV, K.; MEL'NIK, V.; MYASNIKOV, F.; YEFREMOV, G.; BOGACH, N.,
geroy Sotsialisticheskogo Truda; ABROSIKOV, V., geroy Sotsialisticheskogo Truda; PAVLOV, M.; ARONOV, L.

Radio network for every machine-tractor station. Radio no. 4:6-9 Ap '54.
(MLRA 7:4)

1. Brigadir traktornoy brigady Staro-Beshevskoy MTS, Stalinskoy oblasti,
deputat Verkhovnogo Soveta SSSR (for Angelina). 2. Direktor Staro-
Beshevskoy MTS, Stalinskoy oblasti (for Tsimidanov). 3. Sekretar' rayon-
nogo komiteta KPSS po zone Golobskoy MTS, Volynskoy oblasti (for Mel'nik).
4. Direktor Isetskoy MTS, Tyumenskoy oblasti (for Myasnikov). 5. Direktor
Pon'kinskoy MTS, Shadrinskogo rayona, Kurganskoy oblasti (for Yefremov).
6. Direktor Kotovskoy MTS, Odesskoy oblasti (for Bogach). 7. Direktor
Shestakovskoy MTS, Kirovogradskoy oblasti (for Abrosimov). 8. Glavnyy
inzhener Upravleniya sel'skogo khozyaystva Stavropol'skogo kraya (for
Pavlov). 9. Direktor Ol'ginskoy MTS, Poltavskogo rayona, Omskoy oblasti
(for Aronov).
(Radio) (Machine-tractor stations)

YEFREMOV, G.

Improvement of work schedules in machine-tractor stations. MTS 14
no. 3:7-8 Mr '54. (MLRA 7:4)

1. Direktor Pon'kinskoy machine-traktorny stantsii, Kurganskoy
oblasti. (Machine-tractor stations)

YEFREMov, G.

AFANAS'YEV, L., kand.tekhn.nauk; YEFREMOV, G., inzh.

Training specialists for automotive transportation.

Avt.transp. 35 no.10:22-23 0 '57.

(MIRA 10:10)

(Transportation, Automotive--Study and teaching)

YEFREMOV, G.

Improve driver education. Avt.transp. 37 no.1:48-49 Ja '59.
(MIRA 12:2)

(Automobile drivers)

YEFREMOV, G.; LISIN, A.

Educational and methodological conference of workers
of automotive-transportation schools. Avt.transp.
38 no.8:49-50 Ag '60. (MIRA 13:8)
(Transportation, Automotive--Study and teaching)

YEFREMOV, G.; KASIMOV, Ye.

Training specialists. Avt. transp. 43 no.1:46-48 Ja '65.
(MIRA 18;3)

YEFREMOV, G. A.

USSR/Engineering - Construction, Equipment Mar 52

"Machines for Mechanizing Labor-Consuming Construction Operations," G. A. Yefremov, Engr, GUKS, Min of Coal Ind

"Byul Stroitel Tekh" No.3, pp 3-6

Briefly describes several new items of construction equipment, namely: ditcher KMK-2, tower cranes of various types, truck crane with clamshell and self-propelled self-loading conveyor. Tabulates working characteristics and discusses application.

212T38

YEFREMOV, G. A., Engr

USSR/Mining - Construction, Equipment 15 Mar 52

"Machines Used in Mine Heading," G. A. Yefremov,
Engr, GUKS, Min of Coal Ind

"Byul Stroitel Tekh" No 5, pp 25,26

Describes 3 types of machines used in coal mine
practice: portable concrete mixer, concrete pump,
both used in works for strengthening various parts
of mine, and machine for whitewashing drifts and
crosscuts, and for timber-preserving coating.

213T106

1. YEFREMOV, G. A. ENG.
2. USSR (600)
4. Concrete
7. Concrete mixing plant. Biul.stroi.tekh. 9 no. 21, 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

YEFREMOV, Grigoriy Aleksandrovich; CHUDNIKOVSKIY, Leonid Vakulovich;
BEKERMAN, R.Ye., red.

[Mechanizing operations for cleaning foundation pits; in
hydraulic engineering construction] Mekhanizatsiya rabot
po zashistke osnovanii kotlovanov; v gidroenergeticheskem
stroitel'stve. Moskva, Energiia, 1964. 35 p.
(MIRA 18:1)

YEFREMOV, G., inzh.

Broader development of reinforced concrete shipbuilding. Rech.
(MIRA 14:10)
transp. 20 no.8:21-24 Ag '61.
(Ships, Concrete)

YEFREMOV, G.

Improving the qualifications of specialists in a very important
objective. Avt.transp. 39 no.10:45-46 0 '61. (MIRA 14:10)
(Highway transport workers)
(Technical education)

(b) REFERENCE, P.D.

G.

7

Determination of small amounts of thallium in chlorides.
G. B. Efremov, *Leningrad. Gosudarst. Pedagog. Inst.,*
Uchenye Zapiski 3, Fakultet Estetika i nauchnoye No. 2, 07-120
(1949).—Rather small amts. of Tl can be found in deposits
of salts of marine origin. The detn. of such Tl can be done
by either: Mg reduction method in solns. of nonhydrolyzing
Cl salts, or by Hg sulfide adsorption method in soln. of
hydrolyzing or nonhydrolyzing Cl salts, for the concn. of the
Tl component, after which the detn. proper is performed
on the concentrates. The ppn. of Tl by means of KI
appears to be very satisfactory, although the chromate
method can be used.
G. M. Kosolapoff

YEFREMOV, G.D.

Prefabricated reinforced concrete timbering. Ugol' 29 no.6:38-43 Je '54.
(MLRA 7:6)

1. Kombinat Voroshilovgradashakhtstroy.
(Mine timbering)

YUPREMOV, G.D., Cand Tech Sci--(disc) "The ~~Quantity and Distribution of~~ ^{placement} ~~temperature~~ ^{the working} shafts according to the conditions of ~~the~~ gas and ~~heat~~ regimes in ~~mines~~ ^{mines} of coal ~~deposits~~ ^{deposits} of the Donets Basin at great depths." Kiev, 1957. 12 pp

(Min of Higher Education UkrSSR. Kiev Order of Lenin Polytech Inst.)

Chair of ~~Working~~ ^{Working} of Mineral Deposits), 130 copies (VI, 31-58, 103)

-54-